

## Hazus-MH 2.0 Release Notes

**IMPORTANT:** Before attempting to install the Hazus-MH 2.0 software please read the installation instructions document, which can be found on the 2.0 DVDs. Or if you have downloaded the application from the Map Service Center Web Store, it can be found along with the setup files on your machine once you have extracted the zip file.

### *What's New in 2.0?*

- A new coastal storm surge modeling capability integrating two industry standard models (SLOSH and SWAN), which now allows Hazus to predict the physical and economic impacts of hurricane scenarios on coastal flood regions. In addition to estimating the separate impacts of coastal flooding and high winds, the coastal surge scenario methodology also estimates the combined economic losses to the general building stock in a manner that avoids double counting of flood and wind losses.
- With Hazus-MH 2.0, the CDMS tool has been integrated with Hazus. CDMS will no longer be handled as a distinct product requiring users to obtain and install it separately. It will automatically be added when installing Hazus, thus making it easier for users to take advantage of the tool's data management capabilities.
- Hazus-MH 2.0 is now compatible with ArcGIS 10.0 Service Pack 1.
- The Visual Basic for Applications (VBA) ArcGIS extension is no longer required.
- User Defined or Essential Facilities now import the latitude / longitude with full precision (no truncation).
- Riverine Velocity has been added to the Flood module as a What-if in both Hazard and Analysis.
- Flood Shelter analysis has been optimized to run faster for large regions.
- The 200-year Return Period has been removed and a 25-year Return Period has been added to the Suite of Return Periods in the Flood module.
- The Flood module has implemented the modified WAFIS, adding the significant wave height transect analysis in the following areas:
  - Level 1 Coastal Flood Hazard;
  - Coastal Surge Model Nearshore analysis;
  - Coastal Surge Model Deepshore analysis; and
  - Coastal Surge Model no SWAN grid.
- An HPR extract utility has been added that allows users to extract specific tables and data from exported Hazus study regions.

- The terrain roughness and tree coverage data sets have been updated in the Hurricane module to use the latest available data from the Multi-Resolution Land-Use Consortium (MRLC) at both the census block and census tract levels, resulting in more accurate loss estimates.
- Editing of tree parameters at the census block level is now possible in the Hurricane module.
- Issues with direct economic losses to single family homes and manufactured housing due to tree fall have been addressed in the Hurricane module.
- Updates to the historical storms data for the Northeast U.S. region have been made to the Hurricane module.
- The sensitivity of epicenter depth in the Earthquake module has been improved, resulting in more accurate damage results.
- Issues with Earthquake results mapping in Windows 7 have been corrected.
- Issues with casualty results in the Earthquake Global Summary Report have been corrected.
- The use of the Study Region Wizard has been simplified.

### *Special Note*

- The Flood Average Annual Loss Analysis option is deactivated pending forthcoming methodology adjustments.